

proSAAS Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF4054a

Specification

proSAAS Antibody (internal region) - Product Information

Application	E
Primary Accession	O9UHG2
Other Accession	NP_037403.1 , 27344 , 30052 (mouse)
Predicted	Human, Mouse
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	27372

proSAAS Antibody (internal region) - Additional Information

Gene ID 27344

Other Names

ProSAAS, Proprotein convertase subtilisin/kexin type 1 inhibitor, Proprotein convertase 1 inhibitor, pro-SAAS, KEP, Big SAAS, b-SAAS, Little SAAS, I-SAAS, N-proSAAS, Big PEN-LEN, b-PEN-LEN, SAAS CT(1-49), PEN, Little LEN, I-LEN, Big LEN, b-LEN, SAAS CT(25-40), PCSK1N

Dilution

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

proSAAS Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

proSAAS Antibody (internal region) - Protein Information

Name PCSK1N

Function

May function in the control of the neuroendocrine secretory pathway. Proposed be a specific endogenous inhibitor of PCSK1. ProSAAS and Big PEN-LEN, both containing the C-terminal inhibitory domain, but not the further processed peptides reduce PCSK1 activity in the

endoplasmic reticulum and Golgi. It reduces the activity of the 84 kDa form but not the autocatalytically derived 66 kDa form of PCSK1. Subsequent processing of proSAAS may eliminate the inhibition. Slows down convertase-mediated processing of proopiomelanocortin and proenkephalin. May control the intracellular timing of PCSK1 rather than its total level of activity (By similarity).

Cellular Location

Secreted {ECO:0000250|UniProtKB:Q9QXV0}. Golgi apparatus, trans-Golgi network {ECO:0000250|UniProtKB:Q9QXV0}. Note=A N-terminal processed peptide, probably Big SAAS or Little SAAS, is accumulated in cytoplasmic protein tau deposits in frontotemporal dementia and parkinsonism linked to chromosome 17 (Pick disease), Alzheimer disease and amyotrophic lateral sclerosis- parkinsonism/dementia complex 1 (Guam disease)

Tissue Location

Expressed in brain and pancreas.

proSAAS Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

proSAAS Antibody (internal region) - Images**proSAAS Antibody (internal region) - References**

A human granin-like neuroendocrine peptide precursor (proSAAS) immunoreactivity in tau inclusions of Alzheimer's disease and parkinsonism-dementia complex on Guam. Wada M, Ren CH, Koyama S, Arawaka S, Kawakatsu S, Kimura H, Nagasawa H, Kawanami T, Kurita K, Daimon M, Hirano A, Kato T. Neurosci Lett. 2004 Feb 6;356(1):49-52. PMID: 14746899